

energized

Volume 5

THE MONTHLY NEWSLETTER FOR ENERGY MANAGERS AND PUBLIC AFFAIRS OFFICERS

Issue 5

Message To Energy Managers:

Winning a Secretary of the Navy Energy Award is a notable achievement. Congratulations to Training Squadron FOUR, a FY98 winner. A special commendation goes to AUTECH, a FY97 winner, for the laudable ways they've used the SECNAV award monies.

Not only is the Navy Energy web site a useful tool to help you implement your energy and water awareness initiatives, but now it also has a great look. Make sure you take advantage of this great resource.

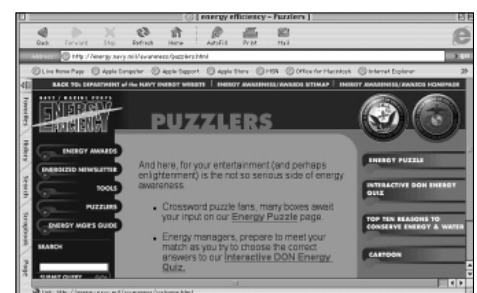
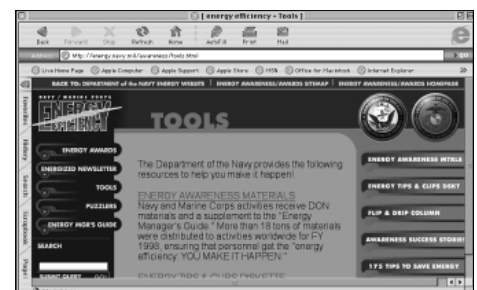
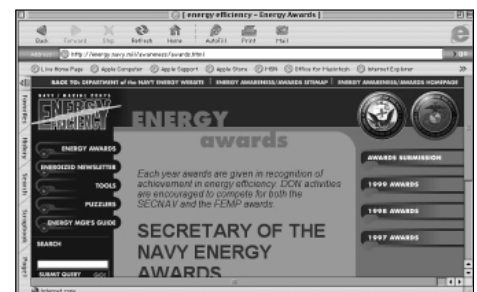
The Internet is fast becoming the medium for supplying information and training. The FEMP Lights online course and Fuel Cells 2000 web site are other resources available to keep you well trained and well informed.

Sincerely,



William F. Tayler
Navy Shore Energy
Program Manager

LOOK AT TO THE NAVY ENERGY WEB SITE'S NEW LOOK



The Navy Energy web site is now awash in a sea change of blues, yellows, and reds after getting a new facelift. Updated to usher in the splash of the new Millennium, you'll not only find the site more visually appealing, but also more up-to-date and better organized to help you find immediately what you're looking for. All back issues of ENERGIZED through December 1999 are now posted, and we plan to add the back issues of 2000 shortly. So check out the site and make use of this valuable material to enhance and energize your awareness program. Set your browser to <http://energy.navy.mil>, and select the Awareness/Awards pick in the lefthand column.

DON Energy Awareness Website: Access the tools on the Navy Energy website for ideas, planning tips, and tools. Set your browser to <http://energy.navy.mil> and scroll down the left-hand column to the Awareness pick.

ENERGY AWARD IMPROVES LIFE ON REMOTE BASE

"Thirty thousand dollars wouldn't go very far for a large base like Camp Pendleton," explained Navy Commander S. G. Hyman, "but on a small base like AUTECH, \$30,000 goes a long way."

AUTECH is the Naval Undersea Warfare Center's Atlantic Undersea Test and Evaluation Center on Andros Island, the largest island in



Carloline Laux and Eva Seelye enjoying the new playground.

the Bahamas, almost due east of Key West, Florida. To an outsider, this one square mile area carved out of the east coast of the island might appear to be a reincarnation of Eden. Annual temperatures vary little, from the low 60s F. to the upper 90s F. Palm trees dot the entire naval base, including a stretch of pristine white sandy beach and sparkling turquoise waters. Less than a half mile off shore is the world's third longest barrier reef, a haven for scuba divers and snorkelers.

Isolation from family and friends, and lack of amenities, however, pose a challenge at AUTECH. Amenities that most Americans consider essential just aren't available on Andros. The nearby town, Fresh Creek, has only a few hundred inhabitants. According to the base taxi driver, it had a movie theater a few years ago, but it "didn't last long before it closed down." You won't find a single department store. Even hotels, restaurants, and shops are hard to find. That's why when AUTECH won the Secretary of the Navy Energy Award in November 1998 for its prior year's accomplishments in saving energy, the decision was made to spend the entire \$30,000 award on Quality Of Life improvements.

AUTECH Recreation Association (ARA) solicited suggestions from the basewide population and the results from this survey were used as the basis for allocating the \$30K award money.

The sun beats down relentlessly on the AUTECH base. It was only

natural that the biggest demand was for shading. "Building Tiki huts with thatched palm leaf roofs is a dying art on Andros Island," said the Commander. "Someone recommended a young man who had learned the art from the old master builders." The energy conservation program contacted this gentleman and hired him to build a large gazebo-style hut, as well as smaller, Tiki huts for two beaches on base.

Award funds were also used to purchase 13 picnic tables that were placed under the huts. ARA chose picnic tables out of recycled plastic, which don't rot. "The only things that may need to be replaced on the recycled tables are the nuts and bolts," says Brenda Borton, ARA Recreation Specialist. "Plus, they're 600 pounds a piece. They're definitely not going to blow away in a hurricane."

Some of the funds were used to build a shady playground for base families.

Suzette Laux, and Jane Seelye, wives of AUTECH employees, love to bring their children to play on the gym set.

The Tiki huts with picnic tables, and the playground used up only half of the Energy Award monies. This left funds for additional Quality of Life improvements.

"Our exercise room is a major morale thing here," says Brenda. ARA also bought a recumbent bicycle and a step mill. New wind screens were also purchased for the tennis courts.

Having family and friends visit is great for AUTECH personnel morale. Energy Award money was used to buy two kayaks and six rental bikes. "The kayaks

and bikes go out a lot," explained Brenda. The AUTECH personnel like to use them and take their guests out."

What is AUTECH up to now? Ron Miller, AUTECH Energy Program Manager, has his sights set on the year 2000. "We achieved an even higher level of energy savings last year, than in FY97," says Ron. "We just hope we did better than all the other small shore facilities we're competing against."

ALLOCATION OF THE ENERGY AWARD MONEY

Playground for Beach House Area	\$ 4,000
Tiki Huts for Beach House and CC Beach.	\$11,000
Two Kayaks (1 one-person and 1 two-person).	\$ 1,650
Rental Bikes (six Earth Cruisers)	\$ 960
Step Mill for Weight Room	\$ 3,055
Recumbent Bicycle for Weight Room.	\$ 1,892
Tennis Court Windscreens	\$ 3,350
Picnic Tables (13).	\$ 3,000

SECNAV ENERGY AWARD WINNERS

Training Squadron FOUR (VT-4) is the winner of the FY98 Secretary of the Navy Energy Award in the Aviation Squadron Category—receiving a monetary award of \$20,000 and the privilege of flying the SECNAV energy flag for one year.

VT-4 achieved a total savings of **\$1.3 million** in FY 1998 compared to the 1985 baseline.

By flying more efficient aircraft, VT-4 saved \$1,163,301, achieving a 44% savings in aircraft fuel consumption compared to the baseline. VT-4 saved nearly \$62,000 by combining squadron operational missions with ferry flights, pilot and NFO instructor proficiency/training flights.

Energy consumption in Griffith Hall, which VT-4 shares with VT-10, fell 68% compared to the baseline. VT-4's share of this savings is \$48,000.

As part of a major reorganization in October 1997, VT-4 was divided into a new "Flight System" which drastically improved efficiency and production. Savings exceeded \$53,000. All levels of squadron per-

sonnel are educated in conservation ideals through the use of notes in the Plan of the Week, prominent posters and direction given in regular meetings. New ideas are solicited from all levels of the squadron at Department Head, Flight Commander, All Officer and All Enlisted meetings and through the use of the CO's suggestion box.

New blinds were installed on all windows, reducing heating and cooling costs. Eighty percent of all spaces have been retrofitted with motion sensor lighting switches. High efficiency fluorescent systems were installed in 18% of all squadron passageways.

Larger volume paper recycling bins were procured, doubling the amount of paper recycled.

A new set of fire doors with smaller glass area and frames were installed at the top and bottom of each stairwell, improving the insulation value and reducing air infiltration/exfiltration. Forty percent of all squadron restroom faucets have been converted to 1.0 gallon per minute aerators.

VT-4 FLIES HIGH WITH ENERGY SAVINGS

FEMP LIGHTS—BASIC TRAINING 2000 ONLINE COURSE

FALL QUARTER:

12 SEPTEMBER - 11 DECEMBER, 2000

Have you recently been assigned the duties of Energy Manager at your activity? Do you know that lighting represents the "cream of the crop" in energy projects? Lighting retrofits often offer the easiest efficiency gains, are the most cost effective, and are the most noticeable. How do you learn all about this and fit the required energy training into your schedule, especially if energy is just a small percentage of your collateral duty?

If you're connected to the Internet, consider attending the web-based distance learning class: *Energy Effective Lighting: Managing Lighting Retrofits for Energy Savings and Productivity*. This course, sponsored by the U.S. Department of Energy's Federal Energy Management Program (FEMP), has received rave reviews for both convenience and high quality content.

Course materials can be downloaded weekly from the class web site wherever you have Internet access. You review the course materials on your own schedule over the 10-week quarter. The



course fee, \$267, includes the purchase of textbooks and shipping within the continental United States.

The instructors and students communicate online. There are opportunities to ask the instructors questions, and even to participate in class discussions in a virtual classroom. There are no pre-requisites, although proficiency in using computers and the Internet is

desired. Technical assistance is available through Edmonds Community College.

You should budget 3 to 5 hours of independent study per week, over the 10-week period. You can earn 3 college credits upon completion of the course, which is available on a pass-not pass basis. Graduates of this course are eligible to take a FEMP Advanced Lighting Workshop taught by James Benya, nationally recognized lighting designer and author, and one of the two instructors of the Basic Training course.

For additional information, set your browser for <http://www.cce.edcc.edu/femp/>. You can register online at this site, or by calling 425-640-1098.



Check it Out

FUEL CELLS 2000

The Year 2000 promises to be the year of the fuel cell. It seems that not a day has gone by without a company announcing it has achieved a major breakthrough in fuel cell technology, formed a new fuel cell joint venture, or developed plans to commercialize its fuel cell product.

Companies are even changing their names to better position themselves in this fast-paced industry. How do you keep up with all the developments during these exciting, but confusing, times?

Turn to the online Fuel Cell Information Center developed by Fuels Cells 2000, an activity of the Breakthrough Technologies Institute (BTI), a nonprofit educational organization formed to promote the development and early commercialization of fuel cells and related pollution-free, efficient energy generation, storage and utilization technologies and fuels: www.fuelcells.org

In addition to a vast amount of information on the types and uses of fuel cells, you'll find the latest news in the Monthly Technology Updates. This covers transportation developments as well as residential, commercial, and industrial stationary power generation fuel cells.

Do you want to contact fuel cell manufacturers, or get up-to-date information directly from the source? Then select the **Major Developers of Fuel Cells** pick.

Make sure you don't miss out on any groundbreaking developments. Subscribe to their free notification service and receive Fuel Cells 2000's press releases and technology updates via e-mail.

For assistance with fuel cells, contact Gene Crank at the Naval Facilities Engineering Service Center: 805-982-5589; crankev@nfesc.navy.mil

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Watts News?

We want to hear from you.

Tell us about the energy initiatives you're working on, the problems you encounter, and the solutions you discover.

Submit article ideas, comments, or questions to:

Dean Ryan Consultants & Designers, Inc.
1733 King Street, Third Floor
Alexandria, VA 22314
phone: 703-548-8115
fax: 703-548-6855
e-mail: lippertj@deanryan.com

Be sure to include your name and commercial phone number.

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Department of the Navy
Commanding Officer
NFESC
Code: ESC 22
1100 23rd Avenue
Port Hueneme, CA 93043-4370